

WHAT IS CLAIMED IS:

1. An electrode device for measuring bio-signals of a human, comprising:

5 a plurality of electrode sections which are contacted to the skin of a human body for measurement;

a preamplifier section which is electrically connected with each electrode section via an electric wire; and

10 a flexible section which is disposed between each electrode section and the preamplifier section, and is non-conductive and can be transformed flexibly.

2. An electrode device for measuring bio-signals of a human, comprising:

15 a plurality of electrode sections which are contacted to the skin of a human body for measurement; and

a preamplifier section which is electrically connected with each electrode section via an electric wire and is made of flexible material which can be transformed flexibly.

20 3. An electrode device for measuring bio-signals of a human, comprising:

a plurality of electrode sections which are contacted to the skin of a human body for measurement; and

25 a flexible section which contains a preamplifier section electrically connected with each electrode section via an electric wire, and is non-conductive and can be

transformed flexibly.

4. The electrode device according to Claim 1, wherein the shape or size of said electrode section is set according to the measurement target region.

5           5. The electrode device according to Claim 1, wherein  
said flexible section or said flexible material is comprised  
of a plurality of layers, and the elastic coefficient of  
each layer is set according to the movement of the measurement  
target region.

10           6. The electrode device according to Claim 1, wherein  
the elastic coefficient in said flexible section or said  
flexible material is set so as to continuously change  
according to the movement of the measurement target region.